

Heritage Ranking Form - State Rank

Scientific Name: *Histrionicus histrionicus*

Common Name: Harlequin Duck

Classification: Vertebrate Animal

Heritage Rank: **S2B,S3N**

Rank Date: 3/22/2016

Comments: S2B seems more appropriate than S1B because Harlequin Ducks, while rare in Oregon, seem to have maintained relatively consistent numbers in the last decades. Threats to the population may include road construction/use, climate and weather-based interruptions of food availability, and timber harvest practices that alter montaine riparian habitat.

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: 47,648 sq km

Population Size: B = 50 - 250 individuals

Comments: 40 breeding pairs estimated in Oregon (Sonya Knetter, Frances Cassirer, IDFG. Jacob Briggs, BYU Idaho. 2015).

Number of Occurrences: 0

Comments: 37 occurrences.

Area of Occupancy: FG = 126-2,500 4-km² grid cells

Comments: 182 4-sqkm grid squares based on extant EOs, with no buffer. Area occupied likely larger.

Good Viability: D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: 35 recent occurrences ranked E-extant, viability not assessed.

Environmental Sensitivity: Not Evaluated

Comments: None

Short Term Trends: G = Relatively Stable (<=10% change)

Comments: Oregon population appears to be stable.

Long Term Trends: G = Relatively Stable (<=10% change)

Comments: None

Threat Impact: D = Low

Comments: Harlequin Ducks could be susceptible to many threats, including climate and weather-related interruptions of food availability, timber harvest policies, road construction, and other human disturbances. However, populations, while low, have remained apparently stable for the last 15 years. More surveys are needed to evaluate health of the species in Oregon.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Rank Notes: Calculator Rank (unrevised)=S1. Harlequin Ducks are uncommon in Oregon but the population is relatively stable.

References: ORBIC Biotics database | D. B. Marshall, M. G. Hunter, and A. L. Contreras (editors), Birds of Oregon: A General Reference. Oregon State University Press, Corvallis. | Knetter, S. , F, Cassirer, J. Briggs. 2015. Harlequin ducks in Idaho: Ecology, Distribution, monitoring and conservation. Idaho Bird Conservation Partnership. Available at:
http://iwjv.org/sites/default/files/harlequins_in_idaho_ecology_distribution_monitoring_conservation_1.pdf . |

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